Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/15/2020 11:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123907	-1	1.90	123989	1.90
Blue	F	SSC	125000	124241	-1	1.73	124973	1.66
Blue	E	FITC	15892	15468	-3	2.68	336	20.10
Blue	D	PE	29999	29762	-1	1.88	648	14.37
Blue	B	PerCP-Cy5-5	43732	43609	-1	3.62	1170	20.07
Blue	A	PE-Cy7	30845	30998	0	6.08	592	40.37
Red	C	APC	46112	45745	-1	2.46	1613	11.99
Red	A	APC-Cy7	30458	29717	-3	2.35	788	11.71
Violet	B	V450	7918	7583	-5	4.34	431	12.76
Violet	A	V500	32171	30987	-4	4.14	726	10.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17339	9.81	621	0	N/A	N/A	Pass
Blue	F	SSC	57159	1.25	565	6	N/A	N/A	Pass
Blue	E	FITC	61	62.06	543	0	0.0192	66	Pass
Blue	D	PE	135	48.38	550	2	0.1713	263	Pass
Blue	B	PerCP-Cy5-5	218	49.42	655	-1	0.0094	77	Pass
Blue	A	PE-Cy7	112	97.59	698	0	0.0111	12	Pass
Red	C	APC	387	25.16	588	4	0.0254	186	Pass
Red	A	APC-Cy7	173	28.05	558	2	0.0058	906	Pass
Violet	B	V450	65	57.02	459	1	0.0520	1802	Pass
Violet	A	V500	107	33.25	475	1	0.0249	801	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/15/2020 11:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.01	-32.57	1.00
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	16.90	13.60 - 20.40	N/A	N/A	30.04	30.50	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9748

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments